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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/774,576	02/10/2004	Seppo Vesterinen	088245-0388	8892

23524 7590 06/30/2010  
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EXAMINER
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KING, SIMON

ART UNIT	PAPER NUMBER
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2614

MAIL DATE	DELIVERY MODE
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06/30/2010

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/774,576	<b>Applicant(s)</b> VESTERINEN ET AL.	
	<b>Examiner</b> SIMON KING	<b>Art Unit</b> 2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 19 April 2010.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-13 and 15-32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 and 15-32 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)         | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)         | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-13 and 15-32 are rejected under 35 U.S.C. 102(e) as being anticipated by Butchorn et al. (US 2004/0132451 A1).

As for claim 1, Butchorn discloses a method for configuring addresses in a packet switched data communication system (Fig.1), the method comprising: configuring at a network element (Fig.1: Terminal 103) a first address ([0049-0054]: link layer network address) for an interface of a sub-element (Fig.1: LLC/MAC interface 145) of the network element, the network element comprising a control module (Fig.1: AR 144) and the sub-element (Fig.1: TP 115), wherein the first address is valid in an internal network associated with the network element ([0051-0055]); retrieving an identifier of the network element from the control module ([0055-0058] and Table 1); and defining a second address for the interface of the sub-element based on the retrieved identifier of the network element and the first address (Table -1), wherein the second address is valid in an external network with which the network element communicates ([0060-0063]).

As for claims 2 and 16, the method, wherein the first address is a local link layer address for the interface of the sub-element ([0048]).

As for claims 3 and 17, the method, wherein the first address for the interface of the sub-

Art Unit: 2614

element is configured based on the position of the sub-element in the network element ([0043]).

As for claims 4 and 18, the method, wherein the first address for the interface of the sub-element is configured based on a serial number of the sub-element ([0258]).

As for claim 5 and 19, the method, wherein the control module is configured to access the identifier of the network element without communicating with other network elements (see rejection for claim 1).

As for claims 6 and 20, the method, wherein the control module is configured to store the identifier of the network element in a memory of the control module (table-1).

As for claims 7 and 21, the method, further comprising verifying the uniqueness of the second address using a duplicate address detection process ([0012]).

As for claims 8 and 22, the method, wherein the identifier of the network element is retrieved from the control module using the first address as a unique address to carry out an automatic address resolution procedure locally in the network element ([0055]).

As for claims 9 and 23, the method, wherein the defined second address comprises a network layer address for the interface of the sub-element. ([0054]).

As for claims 10 and 24, the method, further comprising blocking, inside the network element, all data packets that do not contain the identifier of the network element ([0098]).

As for claim 11, the method, further comprising enabling the interface of the sub-element for network element external communication after the second address for the interface of the sub-element is defined (see rejection for claim 1).

As for claims 12, 25 and 30, the method, further comprising retrieving a network portion identifying a logical network including the network portion with the second address of the interface of the sub-element ([0045]).

As for claim 13, the method, wherein the logical network is a layer 2 switched local area

Art Unit: 2614

network with at least two network elements (Fig.2).

As for claims 15 and 29, (see rejection for claim 1).

As for claims 26 and 32, the network element, wherein the local link layer address is based on a 48-bit media access control identifier format (Table -1).

As for claim 27 and 31, the network element, wherein the network layer address is one of a link-local Internet Protocol version 6 address based on an EUI-64 identifier and an Internet Protocol version 4 address using a dynamic host configuration protocol ([0055-0056]).

As for claim 28, the network element, wherein the network element is a transceiver ([0015]: satellite link transmission).

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-13 and 15-32 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SIMON KING whose telephone number is (571)270-1950. The examiner can normally be reached on 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, FAN TSANG can be reached on (571)272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

Art Unit: 2614

applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

23 June 2010

/SIMON KING/  
Examiner, Art Unit 2614

/Fan Tsang/  
Supervisory Patent Examiner, Art Unit 2614